

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	411265	(customer or recipient or destination or mailing or address) near5 (list or data or information or database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/02/06 22:46
2	BRS	L2	43415	1 near5 (sort or sorted or sorting or arrange or arranged or arranging or arrangement or sequence or sequenced or sequencing or order or ordered or ordering or merge or merged or merging or combine or combined or combining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/02/06 22:47
3	BRS	L3	632408	(discount or discounted or discounting or lower or cut) near5 (postage or price or fee or cost or rate or amount or value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/02/06 22:47
4	BRS	L4	27148	3 near5 (optimal or optimize or optimized or optimizing or optimization or lest or lowest or minimum or minimize or minimizing or minimization or minimized or best or highest or maximum or maximize or maximization or maximizing or maximized)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/02/06 22:48
5	BRS	L5	3	2 same 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/02/06 22:50
6	BRS	L6	459	2 and 4 <i>Scanned Ti, Ab, Bure all</i>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/02/06 22:50

	Type	L #	Hits	Search Text	DBs	Time Stamp
7	BRS	L8	15	("5774885" or "153813" or "5051914").pn. or ((@pd<="19710101" not @pd<="19470101") and (705/401 or 705/407 or 705/410).ccls.) <i>Scanned to all</i>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/02/06 23:08

	Document ID	Issue Date	Inventor	Current OR	Current XRef	Pages
1	US 4589555 A	19860520	Hollingsworth; James A.	209/703	209/900	5
2	US 6246993 B1	20010612	Dreyer; Mark G. et al.	705/9	700/100; 700/110; 705/410; 705/8	75

L6 results

	Document ID	Issue Date	Inventor	Current OR	Current XRef	Pages
1	EP 153813 A1	19850904	BAGGARLY, BRAD A et al.		209/693	67
2	US 5774885 A	19980630	Delfer, III; Frank W.	705/401	53/147; 53/154; 700/219	18
3	US 5051914 A	19910924	Sansone; Ronald P. et al.	700/223	705/406; 705/8	23

78 results

US-PAT-NO: 4589555

DOCUMENT-IDENTIFIER: US 4589555 A

TITLE: Mail sorting apparatus and method

DATE-ISSUED: May 20, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hollingsworth; James A.	Denver	CO	80237	N/A

US-CL-CURRENT: 209/703, 209/900

ABSTRACT: A mail sorting system employing a modified mail conveyor in combination with a sorting table where articles of mail moving linearly in the direction of their longest dimension are deposited in a shingled pattern onto an angled sorting table surface provided with a conveyor so that the articles of mail are conveyed in the direction of their shortest dimension and in partial overlapping relationship.

4 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

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Brief Summary Text - BSTX (5): Simply stated, sortation and preparation specifications require that for a given batch of mail to qualify for a postage discount, all pieces addressed to a particular post office defined by either the first three digits or all 5-digits of the Zip Code must be bundled together, tied, and placed in containers routed to that post office. If these bundles are further sorted to the particular route numbers of the individuals carriers working out of each post office, the highest postage discount is allowed.

Brief Summary Text - BSTX (6): A common practice for large mailers to accomplish the required sorting and preparation, at the lowest cost, is to utilize data processing methods to address their mail in numerical zip code sequence.

US-PAT-NO: 6246993

DOCUMENT-IDENTIFIER: US 6246993 B1

TITLE: Reorder system for use with an electronic printing press

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dreyer; Mark G.	Aurora	IL	N/A	N/A
Warmus; James L.	LaGrange	IL	N/A	N/A
Gill; Robert W.	Plainfield	IL	N/A	N/A
Kitzmilller; Roger	Charlotte	NC	N/A	N/A

US-CL-CURRENT: 705/9, 700/100, 700/110, 705/410, 705/8

ABSTRACT: A method of, and system for, selectively reordering the reprinting of books on one or more electronic presses are disclosed. In one embodiment, sensors and a processor are utilized to reorder books fouled by an auxiliary device. In another embodiment, a sensor, and a global processor in communication with first and second local processors respectively associated with first and second printing presses are utilized to reorder books on one of the first and second printing presses selected to minimize processing time and/or to maximize postal rate discounts. In another embodiment, a sensor and a press processor are utilized to reorder errored books by inserting a book back into a stream of books being printed if re-printing the book with the stream entitles the errored book to a predefined postal discount.

100 Claims, 51 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 48

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Abstract Text - ABTX (1): A method of, and system for, selectively reordering the reprinting of books on one or more electronic presses are disclosed. In one embodiment, sensors and a processor are utilized to reorder books fouled by an auxiliary device. In another embodiment, a sensor, and a global processor in communication with first and second local processors respectively associated with first and second printing presses are utilized to reorder books on one of the first and second printing presses selected to minimize processing time and/or to maximize postal rate discounts. In another embodiment, a sensor and a press processor are utilized to reorder errored books by inserting a book back into a stream of books being printed if re-printing the book with the stream entitles the errored book to a predefined postal discount.

Brief Summary Text - BSTX (8): Image manipulating systems have been developed which permit gathering of images in an office or home environment. For example, conventional word processing programs, such as MICROSOFT WORD.RTM., WORDPERFECT.RTM. and the like, permit a user to import images into a page and also allow a user to command which pages of a document to print. In addition, macros (i.e., a sequence of commands) can be assembled and executed within these programs

which can allow printing of particular document pages in a certain order. Still further, most word processing programs have merge capability wherein a customized image is merged with other standardized information and printed or displayed. As one example, customized information in the form of addressee and address information may be merged with standardized return address information and printed on a series of envelopes.

Brief Summary Text - BSTX (20): In any of the foregoing embodiments, the apparatus can also be utilized with a second printing press, wherein the global processor is in selective communication with a first press processor associated with the first printing press and with a second press processor associated with the second printing press, and wherein the global processor selectively causes the errored book to be reprinted on one of the first and second printing presses. In such an embodiment, the global processor can be programmed to select the one of the first and second printing presses to minimize processing time and/or to maximize postal rate discounts. In the instance where maximized postal rate discounts are desired, the global processor selects the one of the first and second printing presses by comparing postal information for the errored book to postal information of a book to be printed by the first printing press, and/or by comparing the postal information for the errored book to postal information of a book to be printed by the second printing press.

Brief Summary Text - BSTX (23): In some embodiments, the global processor selects the corresponding one of the first and second printing presses to minimize processing time. In other embodiments, the global processor selects the corresponding one of the first and second printing presses to maximize a postal rate discount.

Detailed Description Text - DETX (150): In any event, the above described system operates to identify errored books as they are output by the serviced presses 500 and/or as they are output by the auxiliary devices 502, 504, 506. Upon identification of errored books, the reorder system automatically reorders the reprinting of the book. Depending on the circumstances, the system can immediately reorder a book fouled by a printing press locally without involving the global processor 510; the book can be locally saved to be printed at the end of a particular segment; or the global reorder processor 510 can be employed to select an optimum printing press 500 and location in a stream of books for re-printing the fouled book. As explained below, the global reorder processor 510 preferably selects the press and stream location for reprinting to maximize postal rate discounts, but other criteria such as processor time needed to move the book to a new location can also form a basis for selecting the press and stream location for reprinting.

Detailed Description Text - DETX (233): Persons of ordinary skill in the art will readily appreciate that, although in the preferred embodiment, reorders are assigned to sub-jobs to maximize postal discounts, the assignment of reorders could also be based on the amount of processing time required to re-print the job without departing from the scope or spirit of the invention.

Claims Text - CLTX (17): 14. A system as defined in claim 12 wherein the global processor selects the one of the first and second printing presses to maximize a postal rate discount.

Claims Text - CLTX (36): 31. A system as defined in claim 29 wherein the global processor selects the one of the first and second printing presses to maximize a postal rate discount.

Claims Text - CLTX (48): 41. A system as defined in claim 34 wherein the global processor selects the corresponding one of the first and second printing presses to maximize a postal rate discount.

Claims Text - CLTX (140): 98. A system as defined in claim 96 wherein the global processor selects the one of the first and second printing presses to maximize a postal rate discount.